

AMENDMENTS

In the claims:

Please amend claims 1 and 4-6 so the claims read as follows (note claim 3 was cancelled in a previous amendment):

1. (Currently Amended) A fluid processing disposable set comprising:
a fluid port ~~adapted to couple with a container; and~~
a variable-volume chamber in fluid communication with the fluid port, the chamber defined by a rigid [fixed] wall and an elastic wall; and
a perforate interior wall located within the chamber, the perforate interior wall substantially flat;
the elastic wall formed by a convoluted diaphragm, ~~wherein~~ the elastic wall is substantially adjacent the perforate interior ~~a flat~~ wall when in an unstretched state.
2. (Original) A fluid processing disposable set according to claim 1 further comprising:
a rotary seal coupled to the fluid port, the rotary seal fluidly coupled to the chamber.
3. (Cancelled)
4. (Currently Amended) A fluid processing disposable set according to claim 3, wherein the convoluted ~~shaped~~ diaphragm has at least one fold.
5. (Currently Amended) A fluid processing disposable set according to claim 4, wherein the convoluted ~~shaped~~ diaphragm has a plurality of folds, the folds located symmetrically about an axis.
6. (Currently Amended) A fluid processing disposable set comprising:
a fluid port ~~adapted to couple with a container; and~~

a variable-volume chamber in fluid communication with the fluid port, the chamber and defined by a rigid fixed wall and an elastic wall, the elastic wall sealed at a mounting position on the rigid wall and formed by a shaped diaphragm;

a rotary seal coupled to the fluid port, the rotary seal fluidly coupled to the chamber, wherein the shaped diaphragm is essentially planar in an unstretched position, the diaphragm varying in thickness outside immediate vicinity of the mounting position.

7. (Original) A fluid processing disposable set according to claim 6, wherein the thickness is constant at locations equidistant from an axis.
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